



# The Clorox Company

1221 Broadway  
Oakland, CA 94612  
Tel. (510) 271-7000

# Material Safety Data Sheet

<b>I Product:</b>	PRO-STRENGTH LIQUID-PLUMR® WITH PENETREX™	
<b>Description:</b>	CLEAR ALKALINE LIQUID WITH A CHLORINE ODOR	
<b>Other Designations</b>	<b>Distributor</b>	<b>Emergency Telephone Nos.</b>
Drain Cleaner Drain Opener	Clorox Sales Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies call: (800) 446-1014 For Transportation Emergencies Chemtrac (800) 424-9300

<b>II Health Hazard Data</b>	<b>III Hazardous Ingredients</b>		
CAN CAUSE BURNS ON CONTACT. Injures eyes, skin and mucous membranes on contact. Harmful if swallowed; nausea, vomiting, and burning sensation of the mouth and throat may occur. No adverse health effects are expected with recommended use. Occasional clinical reports suggest a low potential for sensitization upon exaggerated exposure to sodium hypochlorite if skin damage (eg. irritation) occurs during exposure. However, clinical tests conducted on intact skin with products containing sodium hypochlorite found no sensitization in the test subjects.	<u>Ingredient</u>	<u>Concentration</u>	<u>Worker Exposure Limit</u>
Although not expected, heart conditions or chronic respiratory problems such as asthma, chronic bronchitis or obstructive lung disease may be aggravated by exposure to high concentrations of vapor or mist.	Sodium hypochlorite CAS #7681-52-9	5-10%	not established
<b>FIRST AID:</b>	Sodium hydroxide CAS # 1310-73-2	1- 2.5%	2 mg/m <sup>3</sup> - TLV-C 2 mg/m <sup>3</sup> - PEL-TWA
<u>EYE CONTACT:</u> Flush immediately with water for 15 minutes. If wearing contact lenses, remove after first 5 minutes. Immediately contact a doctor.	Myristamine Oxide CAS# 3332-27-2	0.5-2.0%	not established
<u>INGESTION:</u> Drink a glassful of water. <b>DO NOT</b> induce vomiting. Immediately contact a doctor or Poison Control Center.	Lauramine oxide CAS# 1643-20-5)	0.5-2.0%	not established
<u>SKIN CONTACT:</u> Remove contaminated clothing. Wash immediately with water. Contact a doctor immediately if irritation or discomfort persists.	TLV-C = ACGIH Threshold Limit Value - Ceiling		
<u>INHALATION:</u> Remove from exposure to fresh air.	PEL-TWA = OSHA Permissible Exposure Limit - Time Weighted Average/Short Term Exposure Limit		
	None of the ingredients in this product are on the IARC, OSHA or NTP carcinogen lists.		

<b>IV Special Protection and Precautions</b>	<b>V Transportation and Regulatory Data</b>
<u>Hygienic Practices:</u> Wear safety glasses and gloves. The availability of an eye wash and shower is recommended in a manufacturing environment.	<u>U.S. DOT Hazard Class:</u> Consumer Commodity ORM-D
<u>Engineering Controls:</u> Use general ventilation to minimize exposure to vapors.	<u>IMDG:</u> Dangerous goods in limited quantities of Class 8.
<u>Work Practices:</u> Avoid splashing, eye and skin contact and inhalation of vapor or mist.	<u>IATA:</u> Corrosive liquid, n.o.s., Class 8, Packing Group II.
KEEP OUT OF REACH OF CHILDREN. Avoid all splashing; particularly in eyes, on skin and clothing. Keep children away from basins containing Pro-Strength Liquid-Plumr. Do not use plunger with Pro-Strength Liquid-Plumr. Do not use Pro-Strength Liquid-Plumr with ammonia, toilet bowl cleaners or other drain openers. Do not reuse empty container. Rinse container and replace cap before discarding.	<u>EPA - SARA TITLE III/CERCLA:</u> This product is not reportable under Sections 311/312 and contains no chemicals reportable under Section 313. This product does contain chemicals (sodium hydroxide and sodium hypochlorite) that are regulated under Section 304/CERCLA.
	<u>TSCA/DSL STATUS:</u> All components of this product are on the Canadian DSL; and, are either on the TSCA 8(b) Inventory or otherwise exempt from listing. This product is not subject to TSCA 12(b) reporting requirements.

<b>VI Spill Procedures/Waste Disposal</b>	<b>VII Reactivity Data</b>
<u>Spill Procedures:</u> Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material.	Stable under normal use and storage conditions. Reacts with other household chemicals such as toilet bowl cleaners, ammonia or other drain openers to produce hazardous gases, such as chlorine and other chlorinated species.
<u>Waste Disposal:</u> Dispose of in accordance with all applicable federal, state, and local regulations.	

<b>VIII Fire and Explosion Data</b>	<b>IX Physical Data</b>
Not flammable or explosive.	Boiling point ..... approx. 212 °F/100 °C
	Specific Gravity (H <sub>2</sub> O=1) ..... 1.08 - 1.11
	Solubility in Water ..... complete
	pH ..... ~13